

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



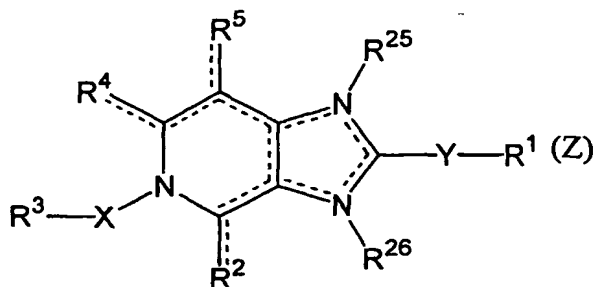
(43) International Publication Date  
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number  
**WO 2004/005286 A2**

- (51) International Patent Classification<sup>7</sup>: **C07D 471/00**
- (21) International Application Number:  
PCT/BE2003/000117
- (22) International Filing Date: 3 July 2003 (03.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0215293.2 3 July 2002 (03.07.2002) GB  
0313251.1 10 June 2003 (10.06.2003) GB
- (71) Applicants (*for all designated States except US*):  
**K.U.LEUVEN RESEARCH & DEVELOPMENT**  
[BE/BE]; Groot Begijnhof, Benedenstraat 59, B-3000  
Leuven (BE). **GILEAD SCIENCES, INC.** [US/US]; 333  
Lakeside Drive, Foster City, CA 94404 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **NEYTS, Johan**  
[BE/BE]; Heidebergstraat 278, B-3010 Kessel-Lo (BE).  
**PÜRSTINGER, Gerhard** [AT/AT]; Roseggerstrasse 12,  
A-6020 Innsbruck (AT). **DE CLERCQ, Erik** [BE/BE];  
Parklaan 9, B-3360 Lovenjoel (BE).
- (74) Agents: **BIRD, William, E. et al.**; Bird Goën & Co, Klein  
Dalenstraat 42A, B-3020 Winksele (BE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,  
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:**  
— *of inventorship (Rule 4.17(iv)) for US only*
- Published:**  
— *without international search report and to be republished  
upon receipt of that report*
- For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: VIRAL INHIBITORS



(57) **Abstract:** The present invention relates to a pharmaceu-  
tical composition for the treatment or prevention of viral infec-  
tions comprising as an active principle at least one imidazo[4,5-  
c]pyridine derivative having the general formula (Z): (formula).  
The invention also relates to processes for the preparation of  
compounds according to the invention having above mentioned  
general formula and their use as a medicine or to treat or prevent  
viral infections.